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MAR 9 1923
U.S. Department of Agriculture

PAKRO

SEEDTAPE AND SEEDS

FOR BETTER GARDENS

Announcement

WE RECEIVE so many inquiries for seed in conjunction with our plant business that we have finally decided to list some of the best things in this line.

In looking around for an absolutely reliable agency to take up this work, we were convinced that Pakro Seedtape and Seeds offered a most desirable combination of quality seeds and an up-to-date method of planting.

Doubtless, many of our readers are familiar with the economic and labor-saving value of the Seedtape method of planting seeds. We ask those who are not familiar with it to try it out for themselves, if only a few packets, and then we are sure they will become as we are, enthusiastic advocates of Seedtape. To those growers who are already acquainted with Seedtape, no comment or advertising is necessary. In the language of the Seedtape Company, "It is a scientific application of a tested and proved idea."

We will let this booklet tell its own story of PAKRO Seedtape and Seeds and assure our many customers that their wants in this line will be given the same careful attention that their orders in the plant line have been given for the past nineteen years.

A complete illustrated catalogue of PAKRO Seedtape and Seeds will be sent any customer upon request and we solicit correspondence along this line.

CHARLES H. TOTTY COMPANY

MADISON - NEW JERSEY



PAKRO SEEDTAPE

A highly practical, labor-saving, seed-saving, result-producing way of planting garden seeds with advantages over dropping seeds by hand that approximate the advantages of a modern mowing machine over the scythe.

What It Is

It is a narrow strip of thin tissue paper upon which are placed (by machine and with a machine's accuracy) seeds correctly spaced for planting. The seeds are placed on this narrow strip of tissue automatically, and paper reeled and packed by machine. All vegetable seeds are taped in rolls 40 feet long, and all flower seeds in rolls 10 feet long.

To plant you make a shallow trench (detailed directions are on each package) and unroll the Seedtape in it as fast as you walk. If ground is very dry, water tape before covering. After covering firm earth on the tape, water, and continue to water as you would any other seed.

The moisture in the ground and the watering you give it after the planting is done causes the tissue holding the seed to disintegrate and disappear, leaving the seeds correctly spaced in the ground. They sprout quickly and the plants grow rapidly and strong because they are not crowded.

Pakro Seedtape is used annually by many thousands of home-gardeners throughout the world. Also by leading florists, market-gardeners, and large acreage growers, who have been quick to recognize its labor and time-saving features.

What It Does

1. Practically eliminates transplanting.
2. Makes thinning out almost unnecessary.
3. Enables one to plant a garden easier and in a fraction of the time required by the old-fashioned way.
4. Makes wastage of seed a thing of the past.
5. Brings seeds to the gardener and grower spaced the correct distance apart.
6. Helps all seeds planted this way to grow faster and stronger.
7. Beautifies the garden by keeping rows straight and even.
8. Makes a scientific gardener of every amateur and eliminates guesswork and doubt.

PAKRO PACKET SEEDS

Some seeds are too large to tape and for that reason are offered **only** in packets. We also found that some garden planters preferred to sow certain varieties the old way and in order to provide for their complete requirements, we extended our offerings to include a full line of Pakro Loose Seeds in packet, widely known as

The QUANTITY PACKAGE OF QUALITY SEEDS

These seeds are selected and tested with the same expert care as to type and germination as the seeds used in Pakro Seedtape. They are grown on the finest seed farms in the United States, under our personal supervision and each variety in the location and soil known to produce the best seed of its kind with respect to type and strength.

GUARANTEE—Quality of both PAKRO Seedtape and Seeds is guaranteed to the full extent of the purchase price, and money will be refunded any time within one year if you are not entirely satisfied with results obtained.

FREE with every \$2 order for Pakro Seedtape or Seeds a copy of "The Home Garden" by E. L. D. Seymour of the Country Life Press. A well bound and handsomely illustrated book filled with interesting and practical information concerning the planning and care of the home garden and grounds.

You will probably notice that the number of varieties in the following list is smaller than is usually offered by other seedsmen. We have kept down this number purposely and have selected from the long list of varieties of both flowers and vegetables only those that we know to be best suited to the needs of the home-garden.

FLOWER SEEDS

Ageratum (Not in Seedtape)

MEXICANUM, BLUE. Hardy annual, dwarf grower, bearing a profusion of tuft-like flower-heads which are lavender-blue in color. Excellent for bedding and edging. No. 300, pkt. 10 cts.

Alyssum

MARITIMUM, CARPET OF SNOW (Sweet Alyssum). Pretty dwarf-growing plant, covered during the entire season with fine white flowers. Excellent for edging around beds or along paths. No. 100, Seedtape, pkt. 10 cts. No. 600, Loose Seed, pkt. 10 cts.

Aster

QUEEN OF THE MARKET, MIXED. Easily the best early Aster on the market. Our mixture contains all the colors from the purest white to the deepest blue. No. 101, Seedtape, pkt. 10 cts. No. 601, Loose Seed, pkt. 10 cts.

GIANT COMET, MIXED. This variety produces flowers that are almost equal to the Ostrich Plume chrysanthemum in size and form. No. 102, Seedtape, pkt. 10c. No. 602, Loose Seed, pkt. 10c.

CREGO GIANT, MIXED. Bears flowers almost as fine as the Giant Comet type which keep for a long time after cutting. No. 121, Seedtape, pkt. 10 cts. No. 621, Loose Seed, pkt. 10 cts.

SEMPLE'S BRANCHING, MIXED. The standard late variety bearing a profusion of bloom from midsummer until fall. Much used for bedding and cutting. No. 122, Seedtape, pkt. 10 cts. No. 622, Loose Seed, pkt. 10 cts.

Balsam

DOUBLE CAMELLIA-FLOWERED, MIXED. Familiarly known as "Lady's Slipper." Excellent for bedding. Bears a profusion of flowers on spikes $1\frac{1}{2}$ to 2 feet long. Our mixture gives a wide range of colors. No. 103, Seedtape, pkt. 10 cts. No. 603, Loose Seed, pkt. 10 cts.

Calliopsis

CORONATA, YELLOW. Plant grows about a foot high and as large in diameter. Bears golden yellow cosmos-like flowers from midsummer until frost. No. 123, Seedtape, pkt. 10c. No. 623, Loose Seed, pkt. 10 cts.



Double-flowered Balsam

Candytuft

MIXED. Dwarf growth. Very showy in beds. Colors, are white, crimson, and pink. No. 104, Seedtape, pkt. 10 cts. No. 604, Loose Seed, pkt. 10 cts.

Carnation

MARGUERITE, MIXED. Very easy to grow from seed and we have found that they bloom more freely this way than by taking cuttings. Our strain is especially selected; contains many different colors. No. 124, Seedtape, pkt. 10c. No. 624, Loose Seed, pkt. 10c.

Chrysanthemum

CORONARIUM, DOUBLE MIXED. Contrary to general opinion easily grown from seed especially so from Seedtape. Flowers vary in color from white to orange. No. 125, Seedtape, pkt. 10c. No. 625, Loose Seed, pkt. 10c.

Cosmos (Not in Seedtape)

MAMMOTH PERFECTION, MIXED. Plants are tall with fine fern-like foliage. Very effective. Used as a background for smaller plants. No. 304, pkt. 10 cts.

Bachelor's Button (*Centaurea Cyanus*)

MIXED. An old-time favorite. Very easy to grow. No. 105, Seedtape, pkt. 10 cts. No. 605, Loose Seed, pkt. 10 cts.

Forget-Me-Not (*Myosotis*)

BLUE. One of the first flowers to bloom in the spring. Dwarf growth and literally covered with tiny blue flowers. No. 106, Seedtape, pkt. 10 cts. No. 606, Loose Seed, pkt. 10 cts.



Branching Aster

Gypsophila (Baby's Breath)

ELEGANS, MIXED. The fine hair-like foliage and tiny pink and white flowers are much used by florists to give a softening effect to their bouquets. No. 126, Seedtape, pkt. 10 cts. No. 626, Loose Seed, pkt. 10 cts.

Heliotrope

LEMOINE'S GIANT MIXED. The most fragrant of flowers. Plants are 2 feet high. Blooms are borne in clusters at the top of plants. No. 127, Seedtape, pkt. 10 cts. No. 627, Loose Seed, pkt. 10 cts.

Hollyhock

CHATER'S DOUBLE MIXED. Really a biennial but frequently seeds itself and so comes up year after year. Plants are tall with flowers close to the main stem. Excellent as a background for dwarf-growing plants. No. 107, Seedtape, pkt. 10 cts. No. 607, Loose Seed, pkt. 10 cts.

Larkspur

DWARF ROCKET, MIXED. Plants grow about a foot high and bear spikes of flowers somewhat resembling hyacinths but larger. Color range is from azure-blue to dark blue. No. 128, Seedtape, pkt. 10 cts. No. 628, Loose Seed, pkt. 10 cts.

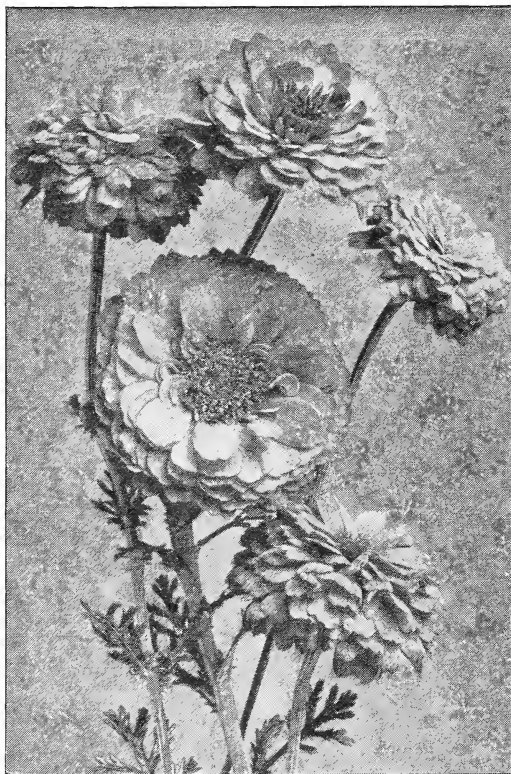
Lobelia

ERINUS, FINEST MIXED. Dwarf trailing growth bearing clusters of small flowers in varying shades of blue. Much used for porch- and window-boxes. No. 129, Seedtape, pkt. 10 cts. No. 629, Loose Seed, pkt. 10 cts.

Marigold (Not in Seedtape)

AFRICAN, DOUBLE MIXED. Pompon-like flowers in shades of orange and yellow are borne on plants 2 to 3 feet in height. Commence to flower in midsummer and continue up to frost. No. 307, pkt. 10 cts.

FRENCH, DWARF DOUBLE MIXED. Plants are dwarf and colors range from yellow to orange and brown. Fine as a bedding plant. No. 308, pkt. 10 cts.



Chrysanthemum coronarium (see page 3)



Mignonette

Mignonette

SWEET. Dwarf-growing plants bearing spikes of very fragrant flowers. The individual flowers of this strain are large and have a reddish tinge. Much used as cut-flowers in making mixed bouquets. No. 108, Seedtape, pkt. 10 cts. No. 608, Loose Seed, pkt. 10 cts.

Morning-Glory

IMPERIAL JAPANESE, MIXED. As a climber for covering trellises, tree stumps, etc., it is unsurpassed. Flowers of own special mixture are immense in size. Colors range from most delicately tinted white and pink to deep pink and blue. No. 109, Seedtape, pkt. 10 cts. No. 609, Loose Seed, pkt. 10 cts.

Nasturtium

(Not in Seedtape)

For a continuous supply of cut-flowers, Nasturtiums are one of the most satisfactory flowers to grow. The flowers and leaves lend themselves readily to almost any decorative scheme. We offer:

Tall Mixed, No. 310, pkt. 10 cts., oz. 15 cts.
Dwarf Mixed, No. 311, pkt. 10c., oz. 15 cts.

Pansy

FINEST MIXED. Unexcelled as a bedding and edging plant, also valuable as a cut-flower. The Pakro strains rank among the finest. The flowers are truly giants in size and range of colors is indescribable. No. 112, Seedtape, pkt. 10 cts. No. 612, Loose Seed, pkt. 10 cts.

Petunia

SINGLE BEDDING FINEST MIXED. Plants have a slightly trailing habit growing about a foot tall. Flowers are trumpet shaped and delicately veined and tinted. No. 130, Seedtape, pkt. 10 cts. No. 630, Loose Seed, pkt. 10 cts.

Phlox

DRUMMONDII GRANDIFLORA, MIXED. Fine for borders and ribbon beds. Flowers are borne on heads in clusters with a wide range of colors. Useful in mixed bouquets. No. 113, Seedtape, pkt. 10 cts. No. 613, Loose Seed, pkt. 10 cts.

Pinks

(*Dianthus chinensis*)

DOUBLE, MIXED. No old-fashioned garden is complete without some Pinks. Very easy to grow. If planted early in the spring they will bloom in July and if given protection over the winter will flower the following spring, bearing more and larger flowers. No. 114, Seedtape, pkt. 10 cts. No. 614, Loose Seed, pkt. 10 cts.

Poppy

CALIFORNIA (*Eschscholtzia californica*). Unexcelled for a dwarf flowering plant, bearing yellow flowers. Most effective when planted in beds or masses. No. 115, Seedtape, pkt. 10 cts. No. 615, Loose Seed, pkt. 10 cts.

SHIRLEY, MIXED. A superb strain of single Poppies. Colors range from pure white to deep crimson and scarlet. Good for bedding and for massing among shrubbery. No. 116, Seedtape, pkt. 10 cts. No. 616, Loose Seed, pkt. 10 cts.

Portulaca

SINGLE, MIXED. Sometimes called the "Sun Plant" due to the fact that it does best in the sunniest spot in the garden. Plants are dwarf and the array of colors very dazzling. No. 131, Seedtape, pkt. 10 cts. No. 631, Loose Seed, pkt. 10 cts.

Sweet Peas

Gain in popularity more every year. They are very easy to grow and no flower that we know of will give the same return in blooms for cut-flowers. They are sweet-scented and most of the colors blend well together. We offer two strains.

SPENCER MIXED. The newer type of Sweet Peas bearing immense flowers, three and four on a stem. This is not a grown mixture but one carefully made up at our warehouse in Newark, of named varieties. No. 150, Seedtape, pkt. 15 cts. No. 650, Loose Seed, 15 cts., oz. 30 cts.

GRANDIFLORA MIXED. The older type of Sweet Peas. The flowers are not so large nor are there so many on a stem but they are just as pretty and sweet scented. No. 119, Seedtape, pkt. 10 cts. No. 619, Loose Seed, pkt. 10 cts., oz. 15 cts.

Salvia (Scarlet Sage)

SPLENDENS GRANDIFLORA. Plants are bushy in form, being about 2 feet high and as large in diameter. They are covered with bright scarlet flowers borne on spikes. Excellent for planting among shrubs and evergreens. No. 117, Seedtape, pkt. 10 cts. No. 617, Loose Seed, pkt. 10 cts.

Scabiosa (Not in Seedtape)

IMPROVED LARGE-FLOWERING, MIXED. An improvement of the Mourning Bride as grown in the gardens of olden times. Fine for cut-flowers and for planting as a background to dwarf-growing plants. Colors range from white to deep pink and dark blue. No. 320, pkt. 10 cts.

Planting PAKRO SEEDTAPE is easy on the back, clothes, and temper. You do not have to double yourself up like a jack-knife; your clothes do not get soiled; and you do not have to replant or transplant, because the seeds germinate and are the correct distance apart.



Spencer Sweet Peas

Stocks

DWARF DOUBLE TEN WEEKS', MIXED. Popular annual for bedding and pot culture. Cannot be grown with the best results in the latitude of New Jersey. No. 118, Seedtape, pkt. 10 cts. No. 618, Loose Seed, pkt. 10 cts.

Sunflower (Not in Seedtape)

DOUBLE CHRYSANTHEMUM - FLOWERED, MIXED. Due to their height (5 or 6 feet) they are much used for planting along fences and to hide unsightly places. Flowers resemble a mammoth dandelion sometimes measuring as high as 9 inches in diameter. No. 331, pkt. 10 cts.

SINGLE, MIXED. Do not grow quite so tall as the above variety. The flowers are single in varying shades of yellow. Excellent for cut-flowers. No. 330, pkt. 10 cts.

Verbena

HYBRIDS, FINEST MIXED. Dwarf-growing annual of somewhat trailing habit. Excellent for bedding. Commence to bloom in July and continue until frost. No. 120, Seedtape, pkt. 10 cts. No. 620, Loose Seed, pkt. 10 cts.

Zinnia

(Not in Seedtape)

GIANT DOUBLE, MIXED. Both plants and flowers are giants in size. For a background of a bed of flowers and for cutting they are unsurpassed. Colors range from yellow and white to crimson with many beautiful shades of pink. No. 333, pkt. 10 cts.

DWARF LARGE-FLOWERING MIXED. Flowers are almost as large as the Giants but are borne on smaller plants. No. 332, pkt. 10 cts.

VEGETABLE SEEDS

Beans (Not in Seedtape)

BOUNTIFUL. Fine early green Snap Bean. Pods are about 5 inches long, flat and light green in color. No. 200, pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts.

EXTRA-EARLY RED VALENTINE. A very productive green-podded Bean. Excellent for canning and pickling. No. 201, pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts.

GIANT STRINGLESS GREEN-POD. An extra-fine early stringless Bean bearing very long, round, dark green pods. No. 202, pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts.

REFUGEE EXTRA-EARLY. Extra early and very prolific; medium-sized round pods, light green in color. No. 203, pkt. 15c., $\frac{1}{2}$ lb. 25c., lb. 40c.

REFUGEE, or 1,000-TO-1. Late main-crop variety. Very productive. Pods are long, round, and light green in color. No. 204, pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts.

HODSON LONG-POD WAX. Bush of sturdy growth. Long, flat, wax-colored pods; late or main crop. No. 205, pkt. 15c., $\frac{1}{2}$ lb. 25c., lb. 40c.

IMPROVED RUSTPROOF GOLDEN WAX. Hardy plants, tall and erect. Pods are golden yellow, long and flat. Beans in the pods are of large size. No. 206, pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts.

REFUGEE WAX. A wax-podded Bean of the same season and productivity as Refugee. They are excellent for use as a dried Shell Bean. No. 207, pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts.

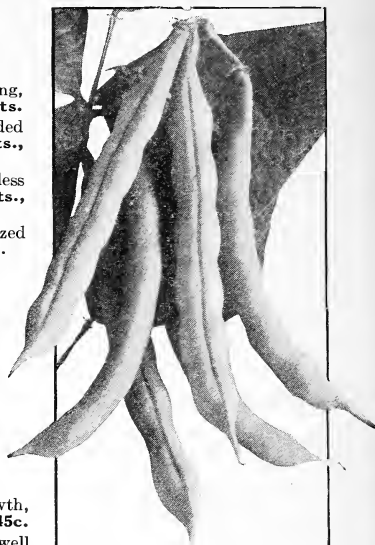
LIMA BEANS (Not in Seedtape)

BURPEE'S BUSH LIMA. Best early Bush Lima. Large bushy growth, bearing a profusion of well-filled pods. No. 208, pkt. 15c., $\frac{1}{2}$ lb. 25c., lb. 45c.

FORDHOOK BUSH LIMA. Erect bushy growth, holding the pods well off the ground. Pods are borne in clusters of four to eight. No. 209, pkt. 15c., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts.

EARLY LEVIATHAN POLE LIMA. Matures very early and bears an immense crop. Pods grow in clusters and contain five or six large white Beans. No. 211, pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts.

CHALLENGER POLE LIMA. Late main-crop variety; very productive. Beans are thick but very tender. Sometimes called "Potato Lima." No. 210, pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts.



Extra-Early Red Valentine Beans

Beet

EARLY EGYPTIAN. Fine extra-early Beet. Flesh is dark red and very sweet and tender. Not suited for a main-crop variety as they have a tendency to become tough if left in the ground for a long time. No. 2, Seedtape, pkt. 10 cts. No. 502, Loose Seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

CRIMSON GLOBE. Excellent main-crop variety. Root is globe-shaped. Flesh rich crimson and remains sweet and tender for a long time after reaching maturity. No. 1, Seedtape, pkt. 10 cts. No. 501, Loose Seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.



Crimson Globe Beet

Brussels Sprouts

LONG ISLAND IMPROVED. One of the few vegetables that can be had after frost. Very tender, sweet, a mild cabbage flavor. No. 3, Seedtape, pkt. 10 cts. No. 503, Loose Seed, pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.50.

Cabbage

ALL SEASONS. Extra-early flat-headed Cabbage. Forms heads very early in the season. No. 5, Seedtape, pkt. 10c. No. 505, Loose Seed, pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.25.

EARLY JERSEY WAKEFIELD. Fine early pointed-head Cabbage. First Cabbage on the market in the summer. No. 6, Seedtape, pkt. 10 cts. No. 506, Loose Seed, pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.

PREMIUM FLAT DUTCH. Late or main-crop variety. Very large, round, flat heads. No. 7, Seedtape, pkt. 10 cts. No. 507, Loose Seed, pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.

Carrot

CHANTENAY. Stump-rooted variety. Flesh is very sweet and tender and of a deep golden orange color. No. 9, Seedtape, pkt. 10 cts. No. 509, Loose Seed, pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

DANVERS HALF-LONG. Flesh is bright red-orange. Roots are smooth and free from rootlets and have a very small core. No. 10, Seedtape, pkt. 10 cts. No. 510, Loose Seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts.

OXHEART, or GUERANDE. Roots are nearly oval in shape. Does well in any soil. Flesh is tender and deep orange in color. No. 11, Seedtape, pkt. 10 cts. No. 511, Loose Seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts.

Cauliflower

EARLY DWARF ERFURT. Very early, producing good-sized creamy white heads. The best variety for general cultivation. No. 8, Seedtape, pkt. 10 cts. No. 508, Loose Seed, pkt. 10c., oz. \$4.

Celery

WHITE PLUME. We believe this to be the best Celery for the home-garden. It is very easy to grow and blanches readily to a pure white. Stalks are slim, very brittle, and tender. No. 14, Seedtape, pkt. 10 cts. No. 514, Loose Seed, pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts.

Sweet Corn (Not in Seedtape)

GOLDEN BANTAM. The earliest, sweetest and best Corn for the home-garden. Stalks are 5 feet tall and bear two to three ears, 6 to 7 inches in length, of bright yellow Corn. No. 220, pkt. 15c., ½lb. 20 cts., lb. 35 cts.

METROPOLITAN. White early Corn closely following Golden Bantam in maturity. No. 223, pkt. 15 cts., ½lb. 20 cts., lb. 35c.

COUNTRY GENTLEMAN. Late white Corn. Grains are irregularly spaced on the cob but of the sweetest flavor. No. 222, pkt. 15 cts., ½lb. 20 cts., lb. 35 cts.

STOWELL'S EVERGREEN. Ears are large, long, and of finest quality. Matures a few days later than Country Gentleman. By planting these four varieties at the same time you will have the best Corn continuously for a period of six weeks. No. 221, pkt. 15 cts., ½lb. 20 cts., lb. 35 cts.

Corn Salad

LARGE ROUND. Planted in the late summer or early fall make an excellent substitute for lettuce which it somewhat resembles in flavor. No. 15, Seedtape, pkt. 10 cts. No. 515, Loose Seed, pkt. 10 cts., oz. 15 cts., ¼lb. 50 cts.

Cucumber (Not in Seedtape)

EXTRA-EARLY WHITE SPINE. Extra-early sort bearing a profusion of fruits with deep green skin and pure white flesh. Keep the fruits picked to lengthen the period of productiveness. No. 231, pkt. 10 cts., oz. 15 cts., ¼lb. 45 cts.

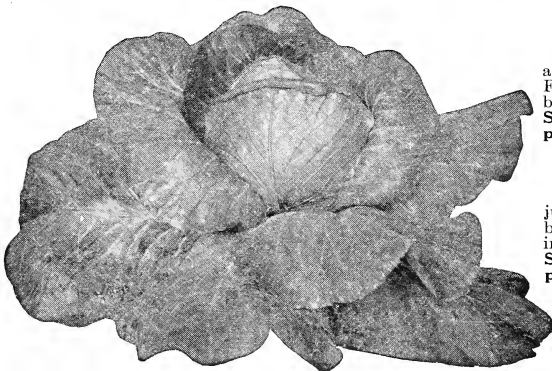
COOL AND CRISP. Second-early variety bearing through the season. Fruits are dark green in color and have an excellent flavor. No. 230, pkt. 10 cts., oz. 15 cts., ¼lb. 45 cts.

Eggplant

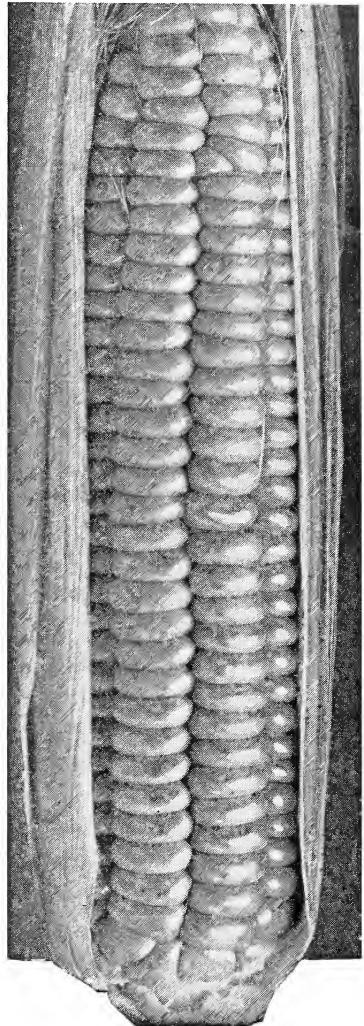
BLACK BEAUTY. Best Eggplant on the market. It is early in maturing and bears throughout the entire season. Fruits black with a purple tinge. No. 17, Seedtape, pkt. 10 cts., No. 517, Loose Seed, pkt. 10 cts., oz. 70 cts. ¼lb. \$2.25.

Endive

GREEN CURLED. Very popular as a substitute for lettuce in the cool fall months. Leaves are finely cut and curled. To blanch tie at the top with raffia or soft twine. No. 16, Seedtape, pkt. 10 cts. No. 516, Loose Seed, pkt. 10 cts., oz. 20 cts., ¼lb. 55 cts.



Early Jersey Wakefield Cabbage (see page 6)



[Golden Bantam Corn

Kale

DWARF CURLED SCOTCH. Used as greens and has a flavor somewhat resembling cabbage. Flavor is improved by a light freezing so it does best when planted in late May or June. No. 19, Seedtape, pkt. 10 cts. No. 519, Loose Seed, pkt. 10 cts., oz. 20 cts., ¼lb. 70 cts.

Kohl - Rabi

WHITE VIENNA. Forms a turnip-like bulb just above the ground and has a flavor resembling both cabbage and turnip. Bulbs about 1½ inches in diameter are the best quality. No. 18, Seedtape, pkt. 10 cts. No. 518, Loose Seed, pkt. 10 cts., oz. 35 cts., ¼lb. \$1.10.

Leek

LARGE FLAG. Resembles onions in form and flavor though the flavor is milder. No. 20, Seedtape, pkt. 10 cts. No. 520, Loose Seed, pkt. 10 cts., oz. 35 cts., ¼lb. \$1.20.

Lettuce

BLACK-SEEDED SIMPSON. Not a heading Lettuce but folded closely, forming a firm bunch of leaves. Very crisp and of excellent flavor. No. 23, Seedtape, pkt. 10 cts. No. 523, Loose Seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

BIG BOSTON. The best Head Lettuce. Forms immense firm and solid heads which are blanched to a creamy white in the center. No. 22, Seedtape, pkt. 10 cts. No. 522, Loose Seed, pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

MIGNONETTE. Fine early Lettuce, forming fair-sized heads. The outer leaves are fringed with reddish brown. The heart is creamy white. No. 21, Seedtape, pkt. 10 cts. No. 521, Loose Seed, pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

SALAMANDER. Heads well in hot weather. Heads are large and compact being light green in color. No. 25, Seedtape, pkt. 10 cts. No. 525, Loose Seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

TRIANON COS. Spoon-shaped leaves forming oval heads. May be blanched by tying at the top with raffia or soft twine. No. 24, Seedtape, pkt. 10 cts. No. 524, Loose Seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.



Big Boston Lettuce

Muskmelon

(Not in Seedtape)

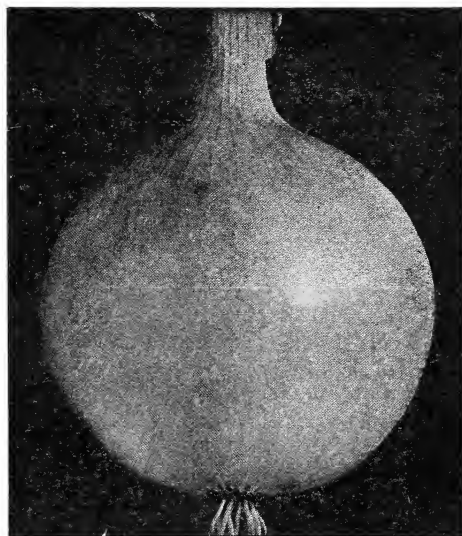
EMERALD GEM. Skin is dark green and slightly netted. Flesh salmon-color and very sweet. No. 242, pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

EXTRA-EARLY HACKENSACK. Fine extra-early large-sized melon. Skin is green and heavily netted. Flesh is green, tender, and of fine flavor. No. 241, pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

ROCKY FORD. Extra-fine main-crop melon. Skin green, heavily netted. Flesh is green and very sweet and tender right down to the hard outer rind. No. 240, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

Okra

WHITE VELVET. Used for soup stock. Pods are white, round, smooth and very tender when young. No. 26, Seedtape, pkt. 10 cts. No. 526, Loose Seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.



Yellow Globe Danvers Onion

Onion

PRIZETAKER. Fine main-crop large white Onion. Produces bulbs weighing as high as 4 pounds. No. 29, Seedtape, pkt. 10 cts. No. 529, Loose Seed, pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.

RED WETHERSFIELD. Large, flat bulb, with red outer skin. The flesh is tinted red. No. 55, Seedtape, pkt. 10 cts. No. 555, Loose Seed, pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts.

SOUTHPORT RED GLOBE. Fine globe-shaped bulb with red outer skin. Flesh is tinted red, strong flavor. No. 56, Seedtape, pkt. 10 cts. No. 556, Loose Seed, pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.

SOUTHPORT YELLOW GLOBE. Bulb is globe-shaped, outer skin yellow, flesh white. An excellent keeper. No. 57, Seedtape, pkt. 10 cts. No. 557, Loose Seed, pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts.

SOUTHPORT WHITE GLOBE. A fine Onion for the home garden. Young bulbs are sweet and tender and much used as scallions. When mature the bulbs are globe-shaped with pure white skin and flesh. No. 30, Seedtape, pkt. 10 cts. No. 530, Loose Seed, pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.

YELLOW GLOBE DANVERS. Globe-shaped; straw-colored skin; flesh is firm and pure white; keeps well through the winter. No. 28, Seedtape, pkt. 10c. No. 528, Loose Seed, pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 80c.

WHITE PORTUGAL. Large, flat white bulb; very mild flavor; largely used for pickling. No. 27, Seedtape, pkt. 10 cts. No. 527, Loose Seed, pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.

Parsley

DOUBLE CURLED. Leaves are finely curled and of a dark green color. Used for flavoring and garnishing. No. 31, Seedtape, pkt. 10 cts. No. 531, Loose Seed, pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

Parsnip

HOLLOW CROWN. Roots are long and tapering. Flesh is fine-grained and sweet. The flavor is greatly improved by a touch of frost. No. 33, Seedtape, pkt. 10 cts. No. 523, Loose Seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Pepper

LARGE BELL. Fruits grow to a large size and are bright red in color; flavor is mild and sweet. Excellent for stuffing with meat and baking. No. 35, Seedtape, pkt. 10 cts. No. 535, Loose Seed, pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$2.

PIMIENTO. Extra-early Pepper. Fruits are heart-shaped and red in color; flavor is very sweet. Excellent for flavoring and pickling. No. 36, Seedtape, pkt. 10 cts. No. 536, Loose Seed, pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$2.

Peas (Not in Seedtape)

EARLIEST OF ALL. Lives up to its name, bearing edible sized Peas in 40 to 45 days from date of planting. Pods are $2\frac{1}{2}$ inches long, well filled with smooth, round Peas of delicious flavor. No. 254, pkt. 15 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts.

GRADUS. Extra-early wrinkled Pea of wonderful sweet flavor and very productive. Pods are large and well filled. No. 250, pkt. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts.

CHAMPION OF ENGLAND. Tall wrinkled Pea needing a support of brush or stakes. Pods are medium sized but well filled. No. 253, pkt. 15 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts.

LITTLE GEM. Extra early but about a week later than Earliest of All. Very dwarf growth, bearing a profusion of pods $2\frac{1}{2}$ inches long, well filled with smooth round Peas. No. 255, pkt. 15 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts.

NOTT'S EXCELSIOR. Very productive extra-early dwarf wrinkled Pea. Second only to Gradus. No. 252, pkt. 15c., $\frac{1}{2}$ lb. 25c., lb. 40 cts.

TELEPHONE. Main-crop tall-growing Pea needing some support. Pods are very large and well filled. No. 251, pkt. 15c., $\frac{1}{2}$ lb. 30c., lb. 50c.

Radish

FRENCH BREAKFAST. Extra-early olive-shaped Radish; upper portion of roots bright scarlet, lower is pure white; flesh is sweet and crisp. No. 37, Seedtape, pkt. 10 cts. No. 537, Loose Seed, pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 45c.

SCARLET TURNIP WHITE-TIP. Turnip-shaped nearly round roots; color bright scarlet with white tip at the bottom. An extra-early sort. No. 40, Seedtape, pkt. 10 cts. No. 540, Loose Seed, pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 45c.

LONG SCARLET. The earliest long scarlet Radish; roots are crisp and tender. A variety much used by market gardeners. No. 39, Seedtape, pkt. 10 cts. No. 539, Loose Seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts.

WHITE ICICLE. Roots are long, pure white, very crisp and tender; seldom pithy, even when an inch in diameter. No. 38, Seedtape, pkt. 10 cts. No. 538, Loose Seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts.

Rutabaga

IMPROVED PURPLE-TOP. Roots are large and oblong in form. Flesh is yellow and of sweet flavor. Yields an excellent crop. No. 41, Seedtape, pkt. 10 cts. No. 541, Loose Seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts.

Spinach

LONG-STANDING. Best all-round variety of Spinach. Leaves are thick, fleshy, and dark green in color. Slow to go to seed. No. 43, Seedtape, pkt. 10c. No. 543, Loose Seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts.

Squash (Not in Seedtape)

WHITE BUSH SCALLOPED. Strong, bushy growth bearing a profusion of patty-pan like fruits which mature very early and are pure white. No. 260, pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Swiss Chard

SILVER-LEAF. Also known as "Spinach Beet." The leaves only are edible and taste somewhat like spinach, but it is more economical to grow in a small garden. A row 40 feet long will insure a supply for the average family all summer. No. 46, Seedtape, pkt. 10 cts. No. 546, Loose Seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts.

Tomato

EARLIANA. Extra-early variety bearing large-sized fruits, deep scarlet in color. Fruits ripen to the stem and have no hard core. Should be planted in conjunction with a later variety as it does not bear continuously. No. 47, Seedtape, pkt. 10 cts. No. 547, Loose Seed, pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.35.

BEAUTY. Second-early variety. Fruits are nearly round in shape with a bright scarlet skin. It is very solid and unexcelled for cooking, canning, or slicing. No. 48, Seedtape, pkt. 10 cts. No. 548, Loose Seed, pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.10.

JUNE PINK. Of the same season as Earliana but bears longer. Fruits are pink in color, firm, almost without core, and with very few seeds. No. 51, Seedtape, pkt. 10 cts. No. 551, Loose Seed, pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.10.

PONDEROSA. Extra-fine late variety. Fruits are enormous in size but with a tendency to be irregular in shape. Skin is thin. Solid meaty flesh with no core and few seeds. No. 49, Seedtape, pkt. 10 cts. No. 549, Loose Seed, pkt. 10 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.75.

STONE. Late or main-crop variety. Fruits are nearly round and bright scarlet in color. Fine for canning. No. 50, Seedtape, pkt. 10 cts. No. 550, Loose Seed, pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.10.

Turnip

EARLY WHITE MILAN. Extra-early; white skin and white flesh which is sweet and tender. No. 52, Seedtape, pkt. 10 cts. No. 552, Loose Seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts.

PURPLE-TOP STRAP-LEAF. Root is flat with purple top and white base. Flesh is fine grained and of sweet flavor. No. 53, Seedtape, pkt. 10 cts. No. 553, Loose Seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts.

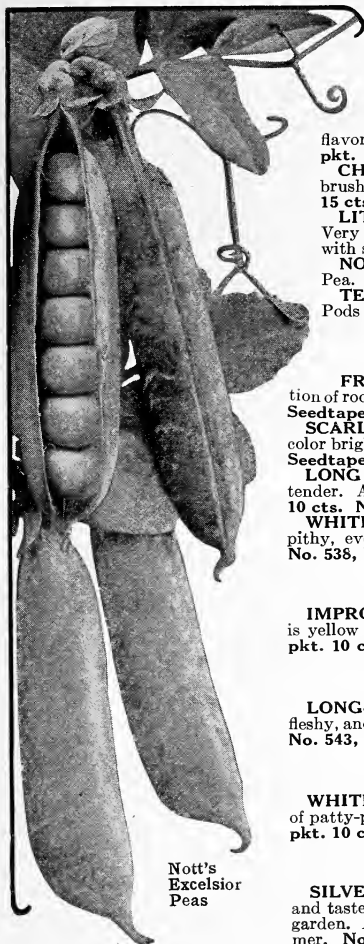
PURPLE-TOP WHITE GLOBE. Globe-shaped root, white skin excepting a small portion at the top which is purple. Flesh white and fine-grained. No. 54, Seedtape, pkt. 10 cts. No. 554, Loose Seed, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts.

Watermelon

(Not in Seedtape)

KLECKLEY SWEETS. Best for the home-garden. Large-sized melons which ripen very early. Flesh is red, fine-grained, and very sweet in flavor. No. 270, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

SWEETHEART. Fruits are large and round. Rind is mottled green. Flesh is bright red and unusually sweet and tender. No. 271, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.



Nott's
Excelsior
Peas



PAKRO GRASS SEEDS

Grass is Mother Nature's carpet provided to cover the ground. If there is no grass, your home looks bare; if there is an abundance of soft green grass, your home will not only be more pleasing both to yourself and the people passing by, but it will also be more valuable.

PAKRO LAWN GRASS MIXTURE

A correctly compounded mixture of seeds that have different growing periods. This gives a green lawn from early spring until snow falls. Many lawns made from this mixture of lawn grass are green nearly all winter. Don't be satisfied with a few months of green grass. Make your lawn beautiful from "snow to snow" by sowing Pakro Lawn Grass this spring. One quart will sow about 200 square feet. **Qt. 30 cts., pk. \$1.85, bus. (20 lbs.) \$6.50, delivered to you.**

PAKRO SHADY PLACE MIXTURE

Ordinary grasses will not live under trees, on the north side of walls, or other places where the sun's rays cannot strike. Pakro Shady Place Mixture is just what you want for such spots. It is a combination of hardy grasses that have an almost evergreen habit and grow well in sheltered spots, soon making a soft green carpet. A quart will sow about 200 square feet. **Qt. 45 cts., pk. \$2, bus. (20 lbs.) \$7, delivered to you.**

PAKRO FAIRWAY GOLF MIXTURE

Golf-courses demand a grass mixture that will make a heavy, thick mat of fibrous roots, so the grass will not be torn out when the club strikes low on the ball. Pakro Golf Mixture is carefully combined to give the thick sod required to stand the wear and rough usage. Sow about 8 bushels to the acre. **Bus. (20 lbs.) \$6.50.**

PAKRO PUTTING GREEN MIXTURE

The finest mixture made, from formula obtained from one of the oldest and best known professional greens-keepers in the world. **Qt. 50 cts., pk. \$3, bus. (25 lbs.) \$10.**

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NO CHARGE is made for boxes, packing, or bags, except for 2-bushel seamless sacks at 55 cents each which are returnable for credit at the price charged.

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WE DELIVER FREE in the United States and Canada all vegetable, flower and grass seeds in the quantities listed in this price list; seeds by the packet, ounce, and $\frac{1}{4}$ pound also Grass Seed except in wholesale quantity.

CONCERNING OUR GUARANTEE. Our seeds are the very finest strains of their kind that money can buy. We supervise the growing of all seeds packed by us and test each individual sack of seed in our own laboratories on the premises before an ounce of it is packed. We cannot positively guarantee that they will grow under any and all conditions, but we unqualifiedly guarantee their freshness and germination qualities, and if you are not perfectly satisfied with the results, we will refund the price you paid for them without question.

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The rose-bug will come, too, in uncounted millions, to destroy your finest blooms. But you can protect your rose gardens from this pest and *save your roses* by using

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AMERICAN ROSE SOCIETY
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Melrosine—Saves Your Roses

Many exasperated rose-lovers, seeing the best blooms of their pet roses destroyed by this boiler-plate bug, have wished death to him and all his family. Wishes have not hurt him, however, and it has heretofore been necessary to patiently and persistently pick or shake him—if you could catch him!—into kerosene in order to make his death certain.

Rose-growers know the mean bug—a disgusting, long-legged, grayish-brown quick-flying beetle about three-eighths of an inch in length, who suddenly appears in myriads when roses come into bloom, attacking, to satisfy his voracious appetite, first the white and lighter-colored roses, from which he passes to the yellow, pink and red blooms, and then, without hesitation, to peonies, Japanese iris, rhododendrons and other June blooms. He infests also, on occasion, grape-vines, cherry and other fruit trees, always leaving destruction in his wake.

This pest is scientifically the Rose Curculio (*Rhynchites bicolor* Fabr.), and if allowed to live long enough to deposit little eggs in the holes eaten in the lovely rose-buds, these eggs will hatch into grubs, which eventually find their way into the ground, where they hibernate over win-

THE AMERICAN ROSE SOCIETY

ROBERT PYLE, President

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I enclose \$3 to pay for Annual Membership in The American Rose Society for 1921. I expect to receive a Membership Card for 1921, available to secure free admission to all Exhibitions in which the Society participates. After March 1, 1921, I am to receive the 1921 American Rose Annual above described, as well as all other publications of the Society during the year.



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A ROSE FOR EVERY HOME
A BUSH FOR EVERY GARDEN

Roses—Kills Rose Bugs

ter, ready to begin devilry as full-fledged bugs when roses bloom again.

But the Rose-Bug need no longer be endured; he can be eliminated. Although his hard shell and tremendous vitality have made him immune to ordinary insecticides—nicotine, sulphur, lead arsenate, hellebore he seemingly enjoys or disregards—when sprayed with

MELROSINE

he dies. This definite specific for the Rose-Bug is the outcome of many years of patient investigation by a professional gardener.

When first prepared and before it was passed, Melrosine was sent to some twenty eminent rosarians for trial. Encouraged by their favorable reports, the inventor continued experimental work another year. The result was the present perfected special insecticide, as owned and manufactured by the Garden Chemical Company, who have introduced it under the trade-marked name of

MELROSINE

the definite death for the Rose-Bug, Rose-Chafer, Rose Curculio, or whatever else this vicious insect may be called.

HOW TO USE MELROSINE

Melrosine is a highly concentrated liquid insecticide, to be used as diluted with from twenty to twenty-five parts of water, sprayed directly upon the affected blooms, with any good spray pump. Good pressure, making a fine mist, is desirable.

Spray on a still day, in bright sunshine, preferably between 11 A.M. and 2 P.M. Begin when the first bugs appear, and spray every day until the successive crops of them emerging from the ground have been destroyed. Cover the whole plant and all the blooms with a light, misty spray. No injury to the blooms or the plants will result if the spray is fine enough.

If your ground is fully infested with these pests, it may take several years to finally wipe them out, but in the meantime your blooms will be saved in full perfection. Continuous, clean cultivation is an important aid in getting rid of them, and spraying the ground with Melrosine is worth while.

CAUTION.—Do not spray until the first bugs appear. Do not spray in early morning or late evening; follow the above directions.

One pint of Melrosine will make $2\frac{1}{2}$ gallons of spray mixture at 1 to 20 dilution, or 3 gallons at 1 to 24 dilution. Use the stronger dilution, 1 to 20, at first.

MELROSINE

keeps indefinitely. It is most inexpensive to use, as it costs less than 25 cents per gallon when diluted for use. No garden can afford to do without this protection, which is an insurance against the ravages of the Rose-Bug, as well as the minor insect pests.

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